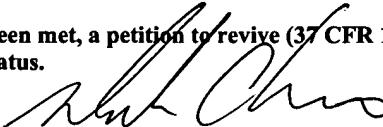


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|---|--|---|---|---|
| FORM PTO-1390 (REV. 10-2003) modified | | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | | ATTORNEY'S DOCKET NUMBER 3015 US0P |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | | | U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/501566 |
| INTERNATIONAL APPLICATION NO. PCT/JP03/00311 | INTERNATIONAL FILING DATE January 16, 2003 | PRIORITY DATE CLAIMED January 18, 2002 | | |
| TITLE OF INVENTION NOVEL PROTEIN AND DNAs THEREOF | | | | |
| APPLICANT(S) FOR DO/EO/US Yumiko UNO, Yukiko HIKICHI, Yoji SAGIYA, Atsushi NAKANISHI | | | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | | | |
| <ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input checked="" type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). | | | | |
| Items 11 to 20 below concern document(s) or information included: | | | | |
| <ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. Cited References 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input type="checkbox"/> A power of attorney and/or change of address letter. 17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825. 18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 20. <input checked="" type="checkbox"/> Other items or information: Itemized Return Postcard; Certificate of Express Mailing; Cover Page International Application; Form PCT/IB/304; ISR | | | | |
| | | | Express Mail Label No. EV 410711244 US Date of Deposit July 15, 2004 | |

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|---|---|--------------------------------------|-----------|----------|
| U.S. APPLICATION NO. (if known) See 37 CFR 1.56 107501566 | INTERNATIONAL APPLICATION NO. PCT/JP03/00311 | ATTORNEYS DOCKET NUMBER 3015 USOP | | |
| 21. <input checked="" type="checkbox"/> The following fees are submitted: BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)): Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO \$1080.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO \$920.00 International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO \$770.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) \$730.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) \$100.00 | | CALCULATIONS PTO USE ONLY | | |
| ENTER APPROPRIATE BASIC FEE AMOUNT = | | \$ 920.00 | | |
| Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)). | | \$ 0 | | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | \$ |
| Total claims | 24 - 20 = | 4 | x \$18.00 | \$ 72.00 |
| Independent claims | 4 - 3 = | 1 | x \$86.00 | \$ 86.00 |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | + | \$290.00 | \$ 0 |
| TOTAL OF ABOVE CALCULATIONS = | | \$ 1,078.00 | | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2. | | \$ 0 | | |
| SUBTOTAL = | | \$ 1,078.00 | | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). | | \$ 0 | | |
| TOTAL NATIONAL FEE = | | \$ 1,078.00 | | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | \$ 40.00 | | |
| TOTAL FEES ENCLOSED = | | \$ 1,118.00 | | |
| | | Amount to be refunded: | \$ | |
| | | charged: | \$ | |
| a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed. b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>500799</u> in the amount of \$ <u>1,118.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>500799</u> . A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status. | | | | |
| SEND ALL CORRESPONDENCE TO: Mark Chao, PhD, JD Takeda Pharmaceuticals North America, Inc. 475 Half Day Road Lincolnshire, IL 60069 USA (847)383-3372 fax (847)383-3409 | | | | |
|  SIGNATURE Mark Chao, PhD, JD NAME 37,293 REGISTRATION NUMBER For Customer No. 23,115 | | | | |

10/501566

DT03 Rec'd PCT 15 JUL 2004

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: Based on PCT/JP03/00311
Filed: Intl. Filing 16 JANUARY 2003
1st Inventor: Yumiko UNO
For: Novel Protein and DNAs Thereof
Atty. Dkt. No. 3015 US0P

Art Unit: tba
Examiner: tba
Allowed:
Batch:
Paper No.:

CERTIFICATE OF EXPRESS MAILING UNDER 37 CFR 1.10

USPS EXPRESS MAIL LABEL. No. EV 410711244 US

DATE IN: July 15, 2004

Itemized Papers/Items:

1. This Certificate and Return Postcard (2 pages)
2. Transmittal Letter for Filing under 35 USC 371 (2 pages X 2)
3. Specification - total pages (312) including Claims 1-115 (pages 267-278, Abstract (1 page), and Drawings (33 pages)
4. Declaration and Power of Attorney (7 pages)
5. Copy of Form PCT/IB/304 (1 page)
6. Copy of Cover Page International Application (WO 03/062274) (1 page)
7. Copy of International Search Report (4 pages)
8. Preliminary Amendment (5 pages)
9. Information Disclosure Statement (1 page), Forms PTO/SB/08A and 08B (3 pages), cited references (12)
10. Submission of Sequence Listing Requirements (1 page), CRF of Sequence Listing (98 pages), and IBM PC/AT format disk containing the CRF of the Sequence Listing
11. Executed Assignment (2 pages) and Recordation Cover Sheet (1 page X 2)

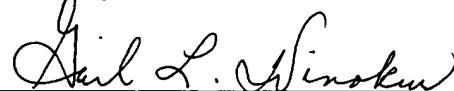
The undersigned hereby certifies that the above itemized papers are together being deposited with the Express Mail Post Office to Addressee service of the United States Postal Service (USPS) in an envelope with sufficient postage, having the USPS Express Mail Label No. shown above, and addressed to:

MAIL STOP PCT
P.O. BOX 1450
Commissioner for Patents
Alexandria, VA 22313-1450

on this date, 7/15/04

Dated: 7/15/04

Gail L. Winokur



Takeda Pharmaceuticals North America, Inc.
Intellectual Property Department
475 Half Day Road
Lincolnshire, IL 60069 USA